BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 2000000.00

Name of Work: Detailed Estimate for the work of Construction of RCC drain at Sanjeevappa road in ward no - 04.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no142, PWD SR 2016-17)	cum							
	for RCC drain at sanjeevappa road chikkabommasandra		1	160.00	1.50	1.20	288.00		
							288.00	**96.48**	**27787.00**
	Basic Rate	82.00							
	Ad-HOC 11%	9.02							
	Sub Total	91.02							
	Area Weightage 6%	5.46							
	Grand Total	96.48							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							
			Vide Item No. 1				**288.00**	**110.13**	**31717.00**
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 8.00 k.m =1.28 X 2.50 X 8	25.60							
	Basic Rate	93.60							
	Ad-HOC 11%	10.30							
	Sub Total	103.90							
	Area Weightage 6%	6.23							
	Grand Total	110.13							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-1.3 Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No.KBS 4.1, 4.2 (P.12/I.4.3)/ PWD SR 2016-17	Cum							
	for RCC drain		1	160.00	1.50	0.15	36.00		
							36.00	**5726.51**	**206154.00**
	Basic Rate	4867.00							
	Ad-HOC 11%	535.37							
	Sub Total	5402.37							
	Area Weightage 6%	324.14							
	Grand Total	5726.51							
4	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc,** including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum							
	for RCC drain bed		1	160.00	1.20	0.15	28.80		
	side walls	1x2	2	160.00	0.15	1.20	57.60		
							86.40	**7072.54**	**611068.00**
	Basic Rate	6011.00							
	Ad-HOC 11%	661.21							
	Sub Total	6672.21							
	Area Weightage 6%	400.33							
	Grand Total	7072.54							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	Quintal							
	for RCC drain 90 kg/cum		0.900	86.40			77.76		
				86.40			77.76	7154.55	556338.00
	Basic Rate	6080.70							
	Ad-HOC 11%	668.88							
	Sub Total	6749.58							
	Area Weightage 6%	404.97							
	Grand Total	7154.55							
6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2016-17	sqm							
	for rcc drain	1x4	4	160.00		1.20	768.00		
							768.00	**344.74**	**264763.00**
	Basic Rate	293.00							
	Ad-HOC 11%	32.23							
	Sub Total	325.23							
	Area Weightage 6%	19.51							
	Grand Total	344.74							
7	RCC Precast covering slab for drain (10cm thick)	sqm							
			1	159.00	0.90		143.10		
							143.10	**2100.00**	**300510.00**
	Rate Approved by BBMP	2100.00							
8	Miscellaneous charges								1663.00
								Total	**2000000.00**

(Rupees Twenty Lakhs Only)

TECHNICALLY SANCTIONED FOR Rs. 20.00 Lakhs
Rupees ..... Twenty Lakhs ..... Only
Under ..... P.1771 - 2017-18
Registered as CE ( ) No. 99
Subject to conditions contained in enclosed memo FE ( ) No. ...../9/
Dt..... Estimate/ Sanctioned
CE/YNK/TS/84/17-18
Dated ..... 16-02-2018 Rs. 20.00 Lakhs
Executive Engineer

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Satellite town Sub Division
Bangalore-64

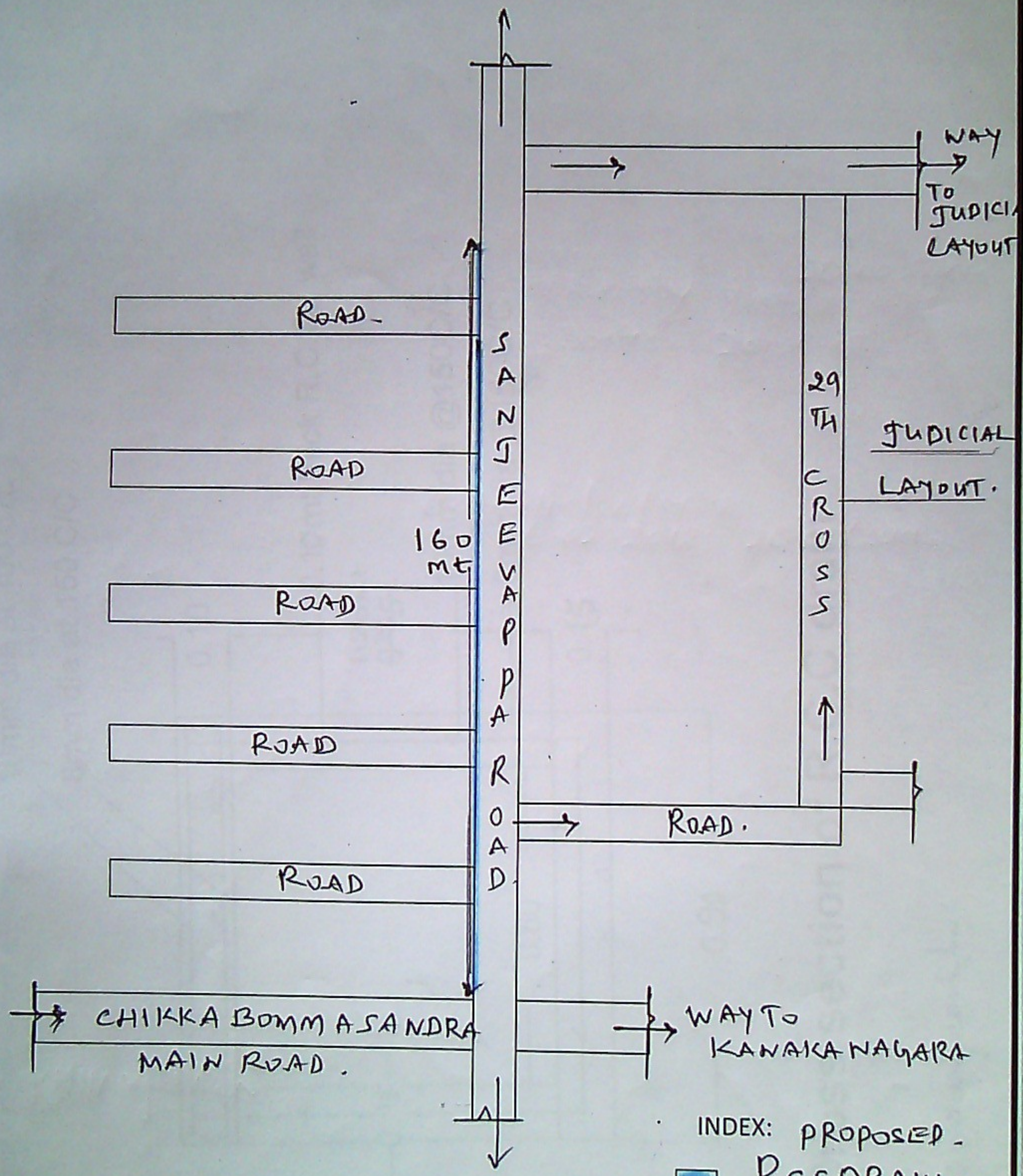
Executive Engineer
Yelahanka Division

Administrative Approval
Accorded For ..... 20.00 lakh Rs
Head of A/C P1771
CER NO :..... 376 ..... Dt:..... 16.02.18

TA CE (YNK)

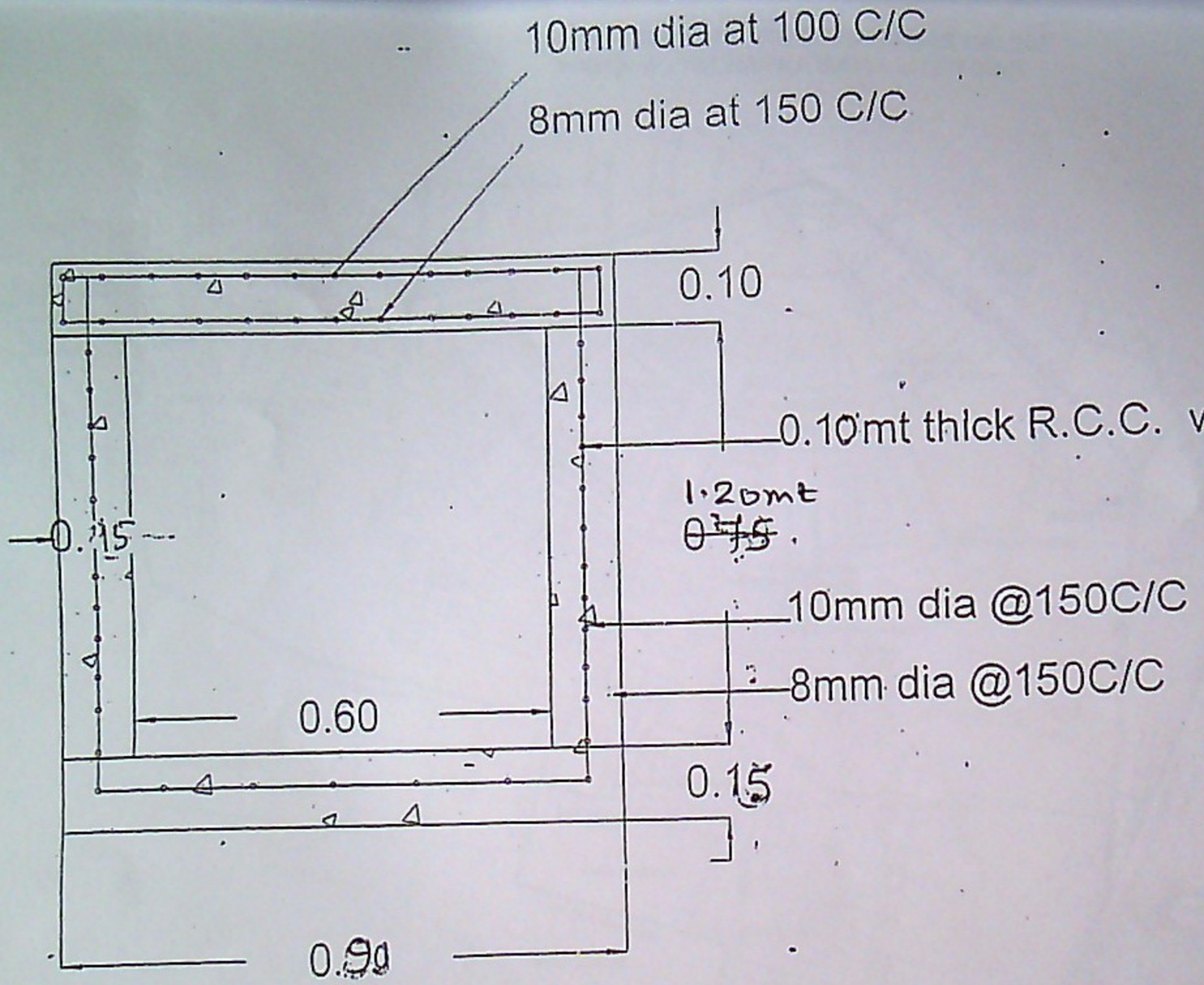
NAME OF WORK:

Construction of CC road at Sanjeevappa road in ward No-04.



A.E. Ramanjaiah

A.E.E.



Cross section of R.C.C drain

Ramanjeeth

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 4 - YELHANKA SATELLITE TOWN

150 - YELAHANKA AC

N

208- SFS COLONY
YESHWANTPURA ROAD
POTTERHALLI ROAD
WAP STADIUM
5TH B CROSS
BWSSB OFFICE
EAST COLONY
DOORVAANIAPURA RD
13TH A MAIN
YALAHANKA SETELLITE TOWN
8TH CROSS
PARK
7TH B MAIN
16TH B CROSS
UDAYA LAYOUT
2ND MAIN
P M Enclave
AMPUS
EXI CMC WARD BND
MOTHER DAIRY
POLICE QUARTERS
BELLARY ROAD
NEHRU NAGAR
RAILWAY LINE
SUB REGISTRAR
BWSSB TREATMENT PLANT
7TH A MAIN
SOMA NAGAR
CHIKKA BOMMASANDRA
16TH B CROSS AMBEDKAR COLONY
JAIJAYA COLONY
ALLALASANDRA KERE
GKVK CAMPUS
20TH MAIN
JUDICIAL LAYOUT
20TH CROSS
2ND MAIN
ALLALASANDRA
BELLARY ROAD BYPASS
VIDYASHILP ACADAMY SCHOOL
MANTRI TOWN SHIP
SHOBHA ULTIMA VIL
14TH MAIN
EXI CMC WARD BND GKVK CAMPUS CMPD
JUDICIAL COLONY
6TH MAIN
MAIN ROAD GKVK CAMPUS CMPD
GKVK CAMPUS ROAD

Ramangeerah. AE.

NOTIFICATION NO. UDD 59 MLR 2009. DATE. 15.07.09

INDEX

- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD